AMENDMENTS TO THE CLAIMS

Please cancel claim 22-29 without prejudice.

Please amend claims 1, 2, 4, 5, and 11, such that the status of the claims is as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently amended) A system for translating medical data, the system comprising:

a system server including a first server port operable to receive encoded data from a first implantable medical device type and a second server port operable to receive encoded data from a second implantable medical device type;

a first interpretation system, wherein the first interpretation system is operable to receive a first encoded data set received from a first implantable medical device from the first server port, wherein the first encoded data set is encoded in a form specific to the first implantable medical device type, and to provide the first interpretation system further operable to convert the first encoded data set to a first decoded data set;

a second interpretation system, wherein the second interpretation system is operable to receive a second encoded data set from a second implantable medical device from the second server port, wherein the second encoded data set is encoded in a form specific to the second implantable medical device type and different from the first implantable medical device type, and to provide the second interpretation system further operable to convert the second encoded data set to a second decoded data set;

a first data abstraction engine, wherein the first data abstraction engine is operable to receive the first decoded data set from the first interpretation system;

a second data abstraction engine, wherein the second data abstraction engine is operable to receive the second decoded data set from the second interpretation system; and

wherein the first data abstraction engine and the second data abstraction engine associate elements of the first decoded data set and the second decoded data set, respectively, to data elements common to the first and second implantable medical device types to provide a first abstracted data set and a second abstracted data set, respectively, in a common data format.

2.   (Currently amended) The system of claim 1, wherein the system further comprises:

a first communication link connected to the first server port, wherein the encoded data set received from the first implantable medical device is received via the first communication link; and

a second communication link connected to the second server port, wherein the encoded data set received from the second implantable medical device is received via the second communication link.

3.   (Canceled)

4.   (Currently amended) The system of claim 2, ~~wherein the system further comprises a system server,~~ wherein the system server includes a processor and a computer readable medium, and wherein the computer readable medium includes instructions executable by the processor to:

receive the first encoded data set from [[the]] one of a plurality of implantable medical device types via a communication network;

identify the one of the plurality of medical device types; and

communicate the first encoded data set via the first communication link to the first interpretation system.

5.   (Currently amended) The system of claim 4, wherein the computer readable medium further includes instructions executable by the ~~second~~ processor to:

store the first encoded data set to a raw database.

6.   (Original) The system of claim 4, wherein the computer readable medium further includes instructions executable by the processor to:

receive the first abstracted data set;

receive the second abstracted data set; and

store the first abstracted data set and the second abstracted data set in a

comprehensive database.

7.   (Original) The system of claim 4, wherein the computer readable medium further includes instructions executable by the processor to:

receive the first abstracted data set;

receive the second abstracted data set;

distribute at least a portion of the first abstracted data set and the second

abstracted data set to a first recipient; and

distribute at least a portion of the first abstracted data set and the second

abstracted data set to a second recipient.

8.   (Original) The system of claim 7, wherein the first recipient is a first subset database, and the second recipient is a second subset database.

9.   (Canceled)

10.   (Original) The system of claim 1, wherein the common data format is a standardized format.

11.   (Currently amended) A system for translating medical data, the system comprising:

a data translation system, wherein the data translation system comprises a

processor and a computer readable medium, and wherein the computer

readable medium includes instructions executable by the processor to:

receive an encoded data set from one of a plurality of implantable medical device

types via one of a plurality of ports, wherein each of the plurality of ports

is assigned to one of the implantable medical device types;

> > select a conversion utility, wherein selection of the conversion utility is based at least in part upon the port via which the encoded data set is received from [[the]] one of the implantable medical devices;
>
> > spawn the conversion utility; and
>
> > translate the encoded data set to a decoded data set.

12. (Original) The system of claim 11, wherein the processor is a first processor, and wherein the computer readable medium is a first computer readable medium, wherein the system further comprises a system server, wherein the system server includes a second processor and a second computer readable medium, and wherein the second computer readable medium includes instructions executable by the processor to:

> > receive the encoded data set from the one of a plurality of implantable medical device types via a communication network;
>
> > identify the one of the plurality of medical device types; and
>
> > direct the encoded data set to the one of the plurality of ports corresponding to the one of the plurality of implantable medical device types.

13. (Original) The system of claim 12, wherein the second computer readable medium further includes instructions executable by the second processor to:

> > store the encoded data set from the one of the plurality of implantable medical device types t o a raw database.

14. (Original) The system of claim 11, wherein the computer readable medium further includes instructions executable by the processor to:

> > abstract the decoded data set to an abstracted data set with elements common to each of the plurality of implantable medical device types.

15. (Original) The system of claim 14, wherein the computer readable medium further includes instructions executable by the processor to:

> > communicate the abstracted data set to a recipient selected from a group consisting of: a system server, a gateway server, and a diagnostic server.

16.   (Original) The system of claim 15, wherein the processor is a first processor, and wherein the computer readable medium is a first computer readable medium, wherein the system server includes a second processor and a second computer readable medium, and wherein the second computer readable medium includes instructions executable by the processor to:

       receive the abstracted data set; and

     store the abstracted format data set to a comprehensive database.

17.   (Original) The system of claim 15, wherein the processor is a first processor, and wherein the computer readable medium is a first computer readable medium, wherein the system server includes a second processor and a second computer readable medium, and wherein the second computer readable medium includes instructions executable by the processor to:

       receive the abstracted data set; and

       distribute at least a portion of the abstracted data set to a recipient.

18.   (Original) The system of claim 15, wherein the processor is a first processor, and wherein the computer readable medium is a first computer readable medium, wherein the system server includes a second processor and a second computer readable medium, and wherein the second computer readable medium includes instructions executable by the processor to:

       receive the encoded data set from the one of a plurality of implantable medical device types via a communication network;

       identify the one of the plurality of medical device types; and

       direct the encoded data set to the one of the plurality of ports corresponding to the one of the plurality of implantable medical device types.

19.   (Original) The system of claim 14, wherein the computer readable medium further includes instructions executable by the processor to:

       store the abstracted data set to a storage area selected from a group consisting of:

       a comprehensive database, and a subset database.

20.   (Original) The system of claim 11, wherein the computer readable medium further includes instructions executable by the processor to:

          translate the abstracted data set to a selected format data set.

21.   (Original) The system of claim 20, wherein the processor is a first processor, and wherein the computer readable medium is a first computer readable medium, wherein the system further comprises a system server, wherein the system server includes a second processor and a second computer readable medium, and wherein the second computer readable medium includes instructions executable by the processor to:

          receive the selected format data set; and

          communicate the selected format data set to a recipient.

22-29. (Canceled)